

## Storm Data and Unusual Weather Phenomena - August 2007

| Location  | Date/Time          | Deaths & Injuries | Property & Crop Dmg | Event Type and Details            |
|---|--------------------|-------------------|---------------------|-----------------------------------|
| <b>ILLINOIS, Southwest</b>  |                    |                   |                     |                                   |
| <b>ST. CLAIR COUNTY --- BELLEVILLE [38.52, -89.98]</b>  |                    |                   |                     |                                   |
|   | 08/24/07 13:40 CST |                   | 0                   | Hail (0.88 in)                    |
|   | 08/24/07 13:40 CST |                   | 0                   | Source: Trained Spotter           |
| <b>CLINTON COUNTY --- AVISTON [38.60, -89.60], BOULDER [38.70, -89.22]</b>  |                    |                   |                     |                                   |
|   | 08/24/07 14:15 CST |                   | 0                   | Thunderstorm Wind (EG 56 kt)      |
|   | 08/24/07 14:47 CST |                   | 0                   | Source: NWS Storm Survey          |
| Downburst winds caused damage in an area from just southwest of Aviston through Breese, Beckemeyer, Carlyle, across Carlyle Lake, and into Boulder. Numerous trees, tree limbs and power lines were blown down. Also, several fields of corn were flattened. Some homes sustained minor shingle damage in Aviston. No injuries were reported. |                    |                   |                     |                                   |
| <b>CLINTON COUNTY --- NEW BADEN [38.53, -89.70]</b>   |                    |                   |                     |                                   |
|   | 08/24/07 14:15 CST |                   | 0                   | Hail (1.00 in)                    |
|   | 08/24/07 14:15 CST |                   | 0                   | Source: Trained Spotter           |
| <b>ST. CLAIR COUNTY --- EAST ST LOUIS [38.62, -90.13]</b>   |                    |                   |                     |                                   |
|   | 08/24/07 14:20 CST |                   | 0                   | Thunderstorm Wind (EG 52 kt)      |
|   | 08/24/07 14:20 CST |                   | 0                   | Source: Trained Spotter           |
| <b>CLINTON COUNTY --- AVISTON [38.60, -89.60]</b>   |                    |                   |                     |                                   |
|   | 08/24/07 14:23 CST |                   | 0                   | Hail (1.00 in)                    |
|   | 08/24/07 14:23 CST |                   | 0                   | Source: Amateur Radio             |
| <b>CLINTON COUNTY --- 2.0 S AVISTON [38.57, -89.60]</b>   |                    |                   |                     |                                   |
|   | 08/24/07 14:25 CST |                   | 0                   | Hail (1.00 in)                    |
|   | 08/24/07 14:25 CST |                   | 0                   | Source: Trained Spotter           |
| <b>MADISON COUNTY --- MARYVILLE [38.73, -89.95]</b>   |                    |                   |                     |                                   |
|   | 08/24/07 14:35 CST |                   | 0                   | Thunderstorm Wind (EG 52 kt)      |
|   | 08/24/07 14:35 CST |                   | 0                   | Source: Trained Spotter           |
| <b>MARION COUNTY --- PATOKA [38.75, -89.10]</b>   |                    |                   |                     |                                   |
|   | 08/24/07 15:00 CST |                   | 0                   | Thunderstorm Wind (EG 52 kt)      |
|   | 08/24/07 15:00 CST |                   | 0                   | Source: Trained Spotter           |
| Several tree tops were snapped off by the thunderstorm winds.   |                    |                   |                     |                                   |
| <b>BOND COUNTY --- BADEN BADEN [38.77, -89.52]</b>  |                    |                   |                     |                                   |
|   | 08/24/07 15:05 CST |                   | 0                   | Hail (0.88 in)                    |
|   | 08/24/07 15:05 CST |                   | 0                   | Source: Amateur Radio             |
| <b>BOND COUNTY --- 5.0 N MULBERRY GROVE [39.00, -89.27]</b>   |                    |                   |                     |                                   |
|   | 08/24/07 15:21 CST |                   | 0                   | Thunderstorm Wind (EG 52 kt)      |
|   | 08/24/07 15:21 CST |                   | 0                   | Source: Trained Spotter           |
| Several large tree limbs were blown down.   |                    |                   |                     |                                   |
| Isolated high precipitation supercells developed and moved through the region on August 24th. Damaging winds and large hail were associated with the severe storms.   |                    |                   |                     |                                   |
| <b>ADAMS COUNTY --- QUINCY [39.93, -91.40]</b>  |                    |                   |                     |                                   |
|   | 08/25/07 16:30 CST |                   | 0                   | Flood (due to Heavy Rain)         |
|   | 08/31/07 01:00 CST |                   | 0                   | Source: Official NWS Observations |
| Minor flooding occurred along the Mississippi River. The river peaked at about 1 1/2 feet over flood stage.   |                    |                   |                     |                                   |

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| <b>PIKE COUNTY --- PLEASANT HILL [39.45, -90.87]</b>  |                    |                   |                     |                                   |
|   | 08/25/07 23:30 CST |                   | 0                   | Flood (due to Heavy Rain)         |
|   | 08/31/07 23:59 CST |                   | 0                   | Source: Official NWS Observations |
| Minor flooding occurred along the Mississippi River. The river peaked at about 2 feet over flood stage and was still in flood at the end of the month.  |                    |                   |                     |                                   |
| <b>CALHOUN COUNTY --- GOLDEN EAGLE [38.90, -90.55]</b>  |                    |                   |                     |                                   |
|   | 08/26/07 00:00 CST |                   | 0                   | Flood (due to Heavy Rain)         |
|   | 08/31/07 23:59 CST |                   | 0                   | Source: Official NWS Observations |
| Minor flooding occurred along the Mississippi River. The river peaked at about 2 feet over flood stage and was still in flood at the end of the month.  |                    |                   |                     |                                   |
| <b>Heavy rain upstream produced minor flooding on the Mississippi river. Forecast points on the river ranged from 1 to 3 feet over flood stage.</b>   |                    |                   |                     |                                   |
| <b>MISSOURI, East</b>   |                    |                   |                     |                                   |
| <b>ST. CHARLES COUNTY --- ST PETERS [38.80, -90.62]</b>   |                    |                   |                     |                                   |
|   | 08/24/07 13:35 CST |                   | 0                   | Hail (0.88 in)                    |
|   | 08/24/07 13:35 CST |                   | 0                   | Source: Trained Spotter           |
| <b>ST. CHARLES COUNTY --- 2.0 W ST CHARLES [38.78, -90.54]</b>  |                    |                   |                     |                                   |
|   | 08/24/07 13:40 CST |                   | 0                   | Hail (1.00 in)                    |
|   | 08/24/07 13:40 CST |                   | 0                   | Source: Trained Spotter           |
| <b>ST. LOUIS COUNTY --- VLY PARK [38.55, -90.48]</b>  |                    |                   |                     |                                   |
|   | 08/24/07 13:55 CST |                   | 0                   | Thunderstorm Wind (EG 61 kt)      |
|   | 08/24/07 13:55 CST |                   | 0                   | Source: Broadcast Media           |
| <b>ST. LOUIS COUNTY --- 4.0 WSW OAKVILLE [38.45, -90.37]</b>  |                    |                   |                     |                                   |
|   | 08/24/07 14:00 CST |                   | 0                   | Thunderstorm Wind (EG 61 kt)      |
|   | 08/24/07 14:00 CST |                   | 0                   | Source: Amateur Radio             |
| Large tree was blown down.  |                    |                   |                     |                                   |
| <b>ST. LOUIS COUNTY --- OVERLAND [38.70, -90.38]</b>  |                    |                   |                     |                                   |
|   | 08/24/07 14:00 CST |                   | 0                   | Thunderstorm Wind (EG 56 kt)      |
|   | 08/24/07 14:00 CST |                   | 0                   | Source: Trained Spotter           |
| <b>ST. LOUIS COUNTY --- KIRKWOOD [38.60, -90.43], SHREWSBURY [38.60, -90.32]</b>  |                    |                   |                     |                                   |
|   | 08/24/07 14:05 CST |                   | 0                   | Thunderstorm Wind (EG 65 kt)      |
|   | 08/24/07 14:10 CST |                   | 0                   | Source: NWS Storm Survey          |
| A severe thunderstorm moved across southern St. Louis county producing damaging downburst winds (including microbursts) over this region. Some of the hardest hit areas extended from just east of downtown Kirkwood through Oakland then into Shrewsbury. Some of the fallen trees and numerous large tree limbs damaged homes and vehicles over this area. One large tree fell onto an apartment building causing moderate damage. Surface winds were estimated between 65 and 75 mph. No injuries were reported. |                    |                   |                     |                                   |
| <b>ST. LOUIS COUNTY --- 1.0 W LADUE [38.65, -90.40]</b>   |                    |                   |                     |                                   |
|   | 08/24/07 14:10 CST |                   | 0                   | Thunderstorm Wind (EG 52 kt)      |
|   | 08/24/07 14:10 CST |                   | 0                   | Source: Amateur Radio             |
| <b>ST. LOUIS COUNTY --- AFFTON [38.55, -90.33]</b>  |                    |                   |                     |                                   |
|   | 08/24/07 14:10 CST |                   | 0                   | Thunderstorm Wind (EG 52 kt)      |
|   | 08/24/07 14:10 CST |                   | 0                   | Source: Trained Spotter           |
| Numerous large tree limbs were blown down.  |                    |                   |                     |                                   |

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| <b>ST. LOUIS (C) COUNTY --- 0.3 N CARONDELET [38.55, -90.28]</b>   |                    |                   |                     |                                   |
|  | 08/24/07 14:15 CST |                   | 0                   | Thunderstorm Wind (EG 56 kt)      |
|  | 08/24/07 14:15 CST |                   | 0                   | Source: Newspaper                 |
| Thunderstorm winds uprooted several large trees in Carondelet Park.  |                    |                   |                     |                                   |
| <b>CRAWFORD COUNTY --- 2.0 WSW DAVISVILLE [37.79, -91.21]</b>  |                    |                   |                     |                                   |
|  | 08/24/07 15:40 CST |                   | 0                   | Thunderstorm Wind (EG 52 kt)      |
|  | 08/24/07 15:40 CST |                   | 0                   | Source: NWS Storm Survey          |
| Numerous large tree limbs were blown down.   |                    |                   |                     |                                   |
| <b>Isolated high precipitation supercells developed and moved through the region on August 24th. Damaging winds and large hail were associated with the severe storms.</b>   |                    |                   |                     |                                   |
| <b>LEWIS COUNTY --- CANTON [40.13, -91.52]</b>   |                    |                   |                     |                                   |
|  | 08/25/07 02:30 CST |                   | 0                   | Flood (due to Heavy Rain)         |
|  | 08/25/07 05:30 CST |                   | 0                   | Source: Official NWS Observations |
| Heavy rain upstream caused minor flooding on the Mississippi River. At Canton, the river peaked about 1.5 feet over flood stage.   |                    |                   |                     |                                   |
| <b>MARION COUNTY --- HANNIBAL [39.70, -91.38]</b>  |                    |                   |                     |                                   |
|  | 08/25/07 09:30 CST |                   | 0                   | Flood (due to Heavy Rain)         |
|  | 08/31/07 23:59 CST |                   | 0                   | Source: Official NWS Observations |
| Heavy rain upstream caused minor flooding on the Mississippi River. At Hannibal, the river peaked about 2.5 feet over flood stage and was still in flood when the month ended.   |                    |                   |                     |                                   |
| <b>RALLS COUNTY --- SAVERTON [39.65, -91.28]</b>   |                    |                   |                     |                                   |
|  | 08/25/07 23:30 CST |                   | 0                   | Flood (due to Heavy Rain)         |
|  | 08/31/07 23:59 CST |                   | 0                   | Source: Official NWS Observations |
| Heavy rain upstream caused minor flooding on the Mississippi River. At Saverton, the river peaked about 1.5 feet over flood stage and was still in flood when the month ended.   |                    |                   |                     |                                   |
| <b>PIKE COUNTY --- CLARKSVILLE [39.37, -90.92]</b>   |                    |                   |                     |                                   |
|  | 08/26/07 00:00 CST |                   | 0                   | Flood (due to Heavy Rain)         |
|  | 08/31/07 23:59 CST |                   | 0                   | Source: Official NWS Observations |
| Heavy rain upstream caused minor flooding on the Mississippi River. At Clarksville and Louisiana, the river peaked about 2 feet over flood stage and was still in flood when the month ended.  |                    |                   |                     |                                   |
| <b>Heavy rain upstream caused minor flooding on the Mississippi River from Northeast Missouri to just north of S. Louis. The river ranged from about 1 to 3 feet over flood stage with some areas still in flood when the month ended.</b> |                    |                   |                     |                                   |